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TED OPEN DATA SERVICE
ENTITY RESOLUTION AND OTHER NEWS

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TED-together, 25 November 2026

Ask Ted



Open Data Procurement Data & AI

Data Scale



- ~ **800k** notices in 2026 (~ **3.2M** total)



- ~ **500 facts** per notice

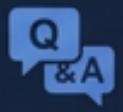


- Requires technical skills

The Opportunity



- Connect data to AI assistants



- Ask Ted: plain language Q&A



Early Assessment: Defining the extra data structure needed for AI

Requirements

Problem: Overwhelmed AI



Solution: Grounded AI

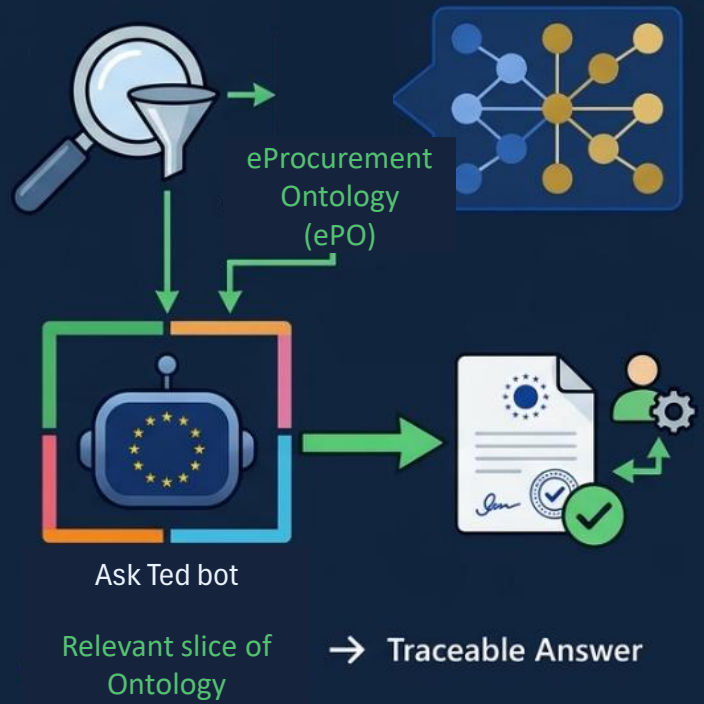


Image Source: AI

Proposed Solution - Ontology for Agent Navigation

First step: turn the ontology into a **navigable map** the AI can move through.

What is the difference?

- Ontology: describes more than the data contains

The problem – map vs GPS



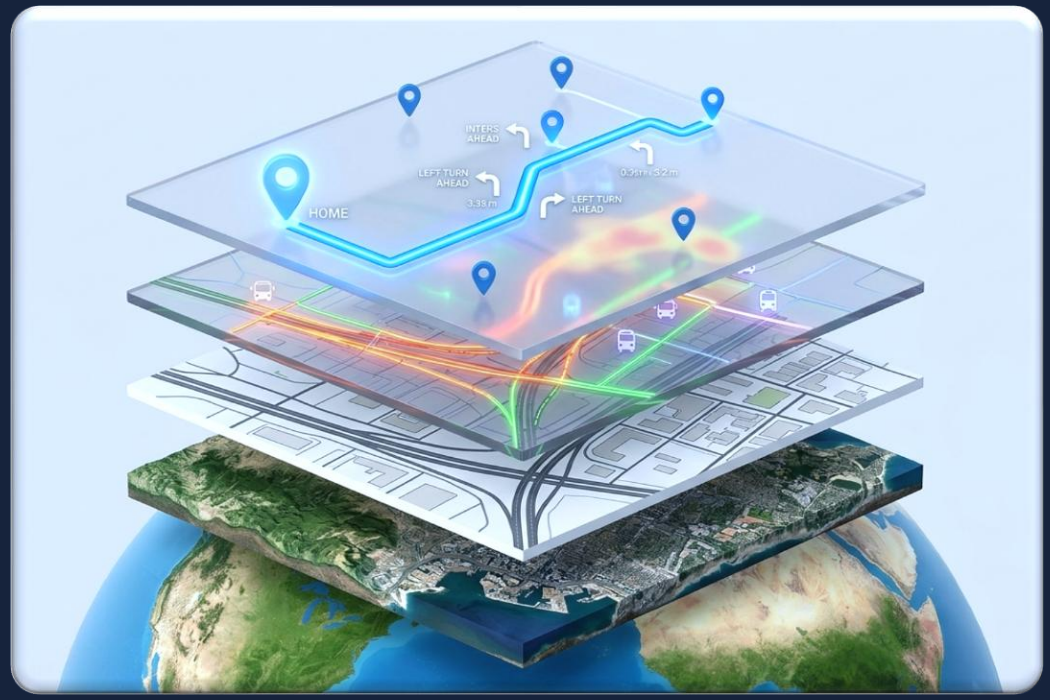


Image Source: AI

Context Matters - Who Is the User?

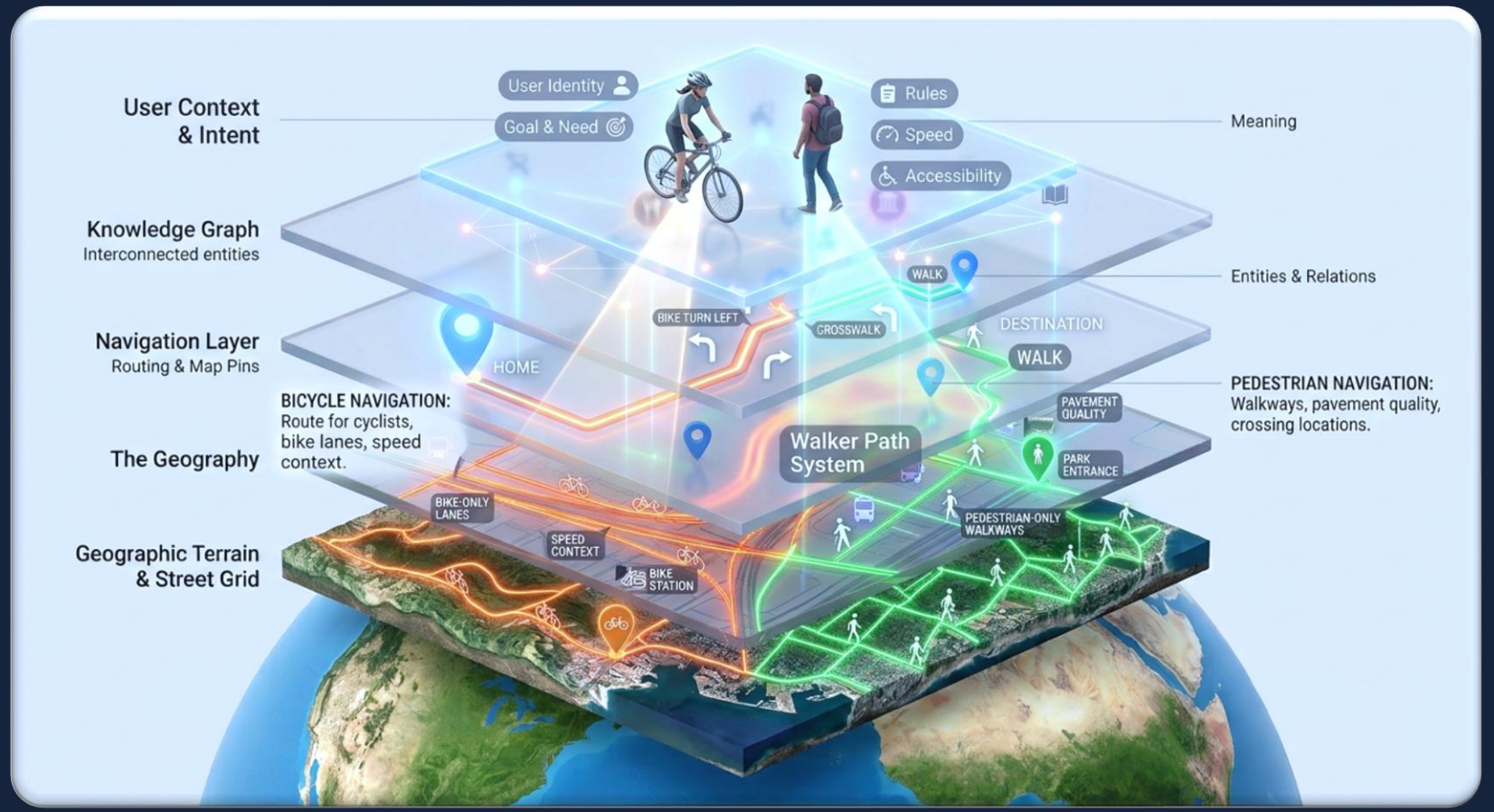
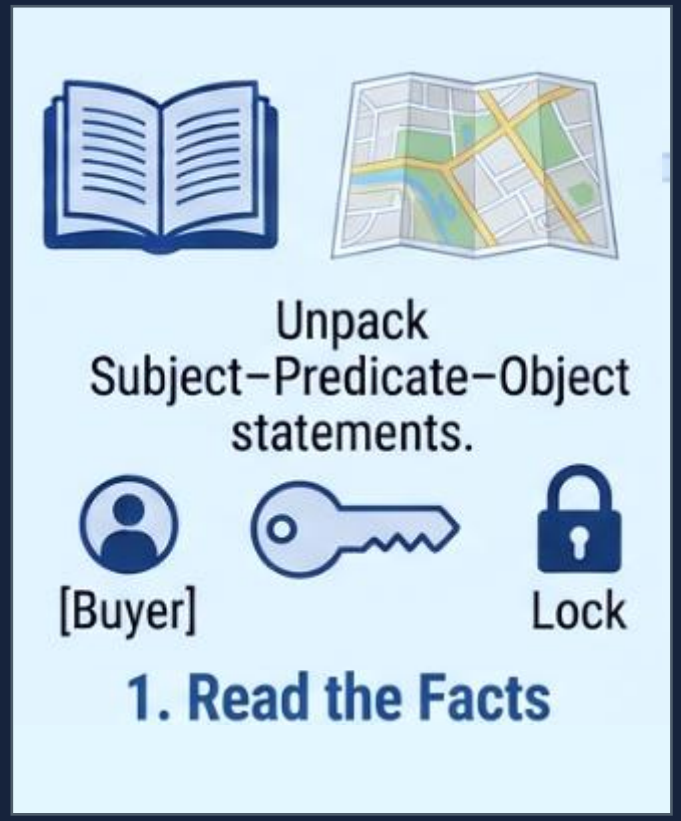
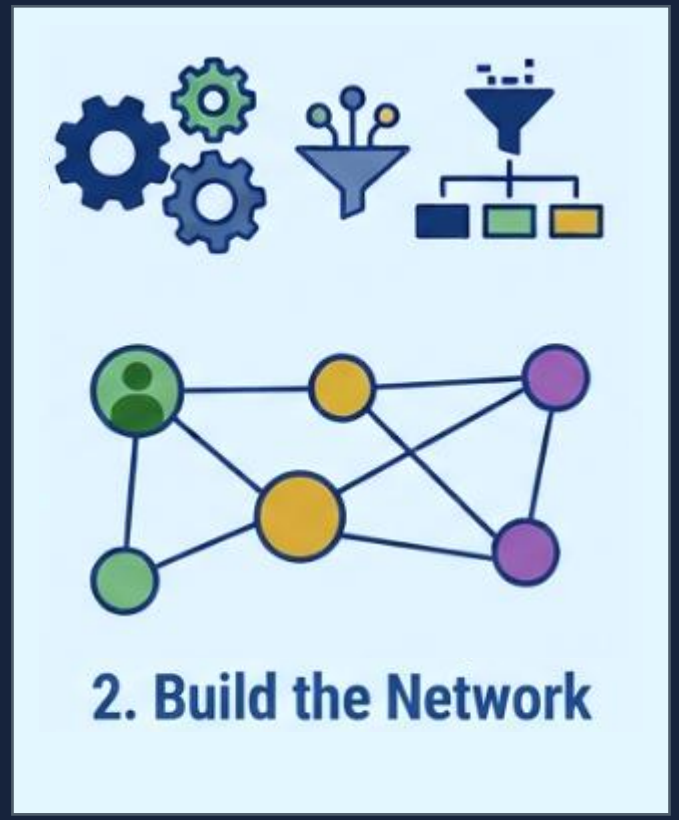


Image Source: AI

How the Engine Works





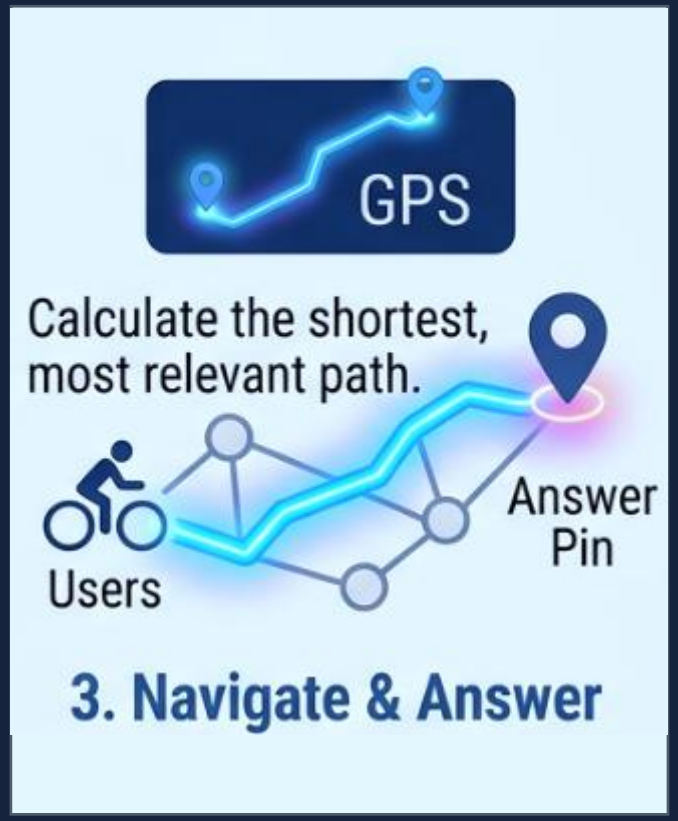
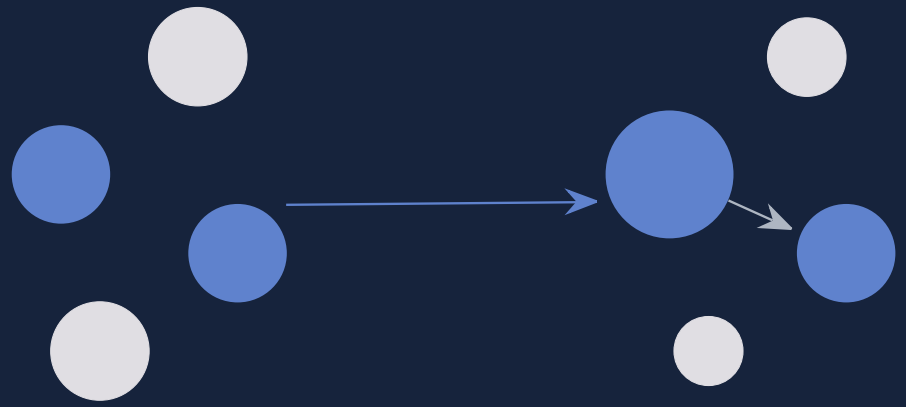


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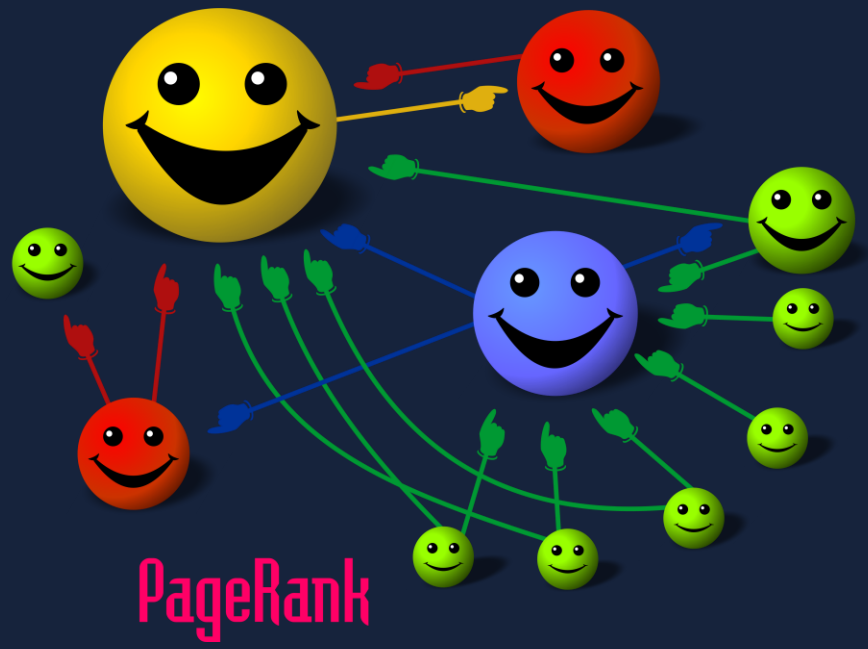
Choosing the Right Slice



1. Find
seeds from
the question

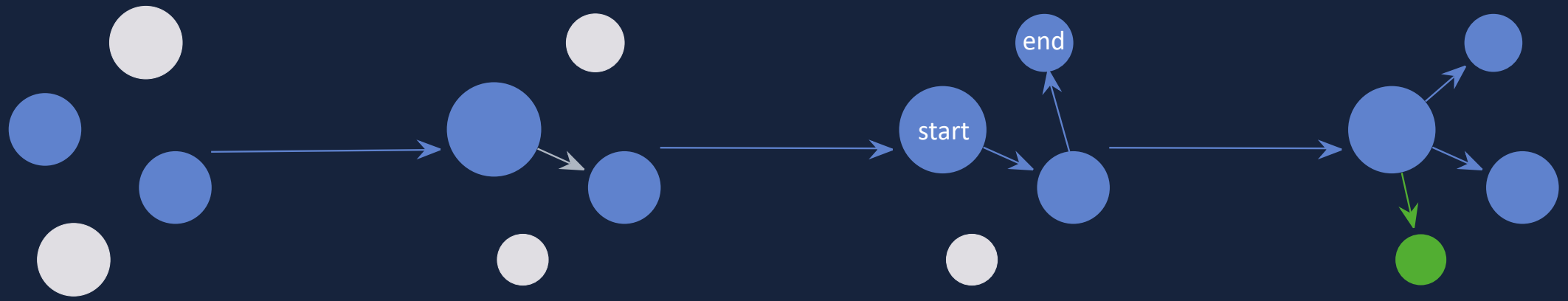
2. Rank
rank by relevance

■ selected ■ not selected



Source: https://fr.wikipedia.org/wiki/PageRank

Choosing the Right Slice



1. Find
seeds from the question

2. Rank
rank by relevance

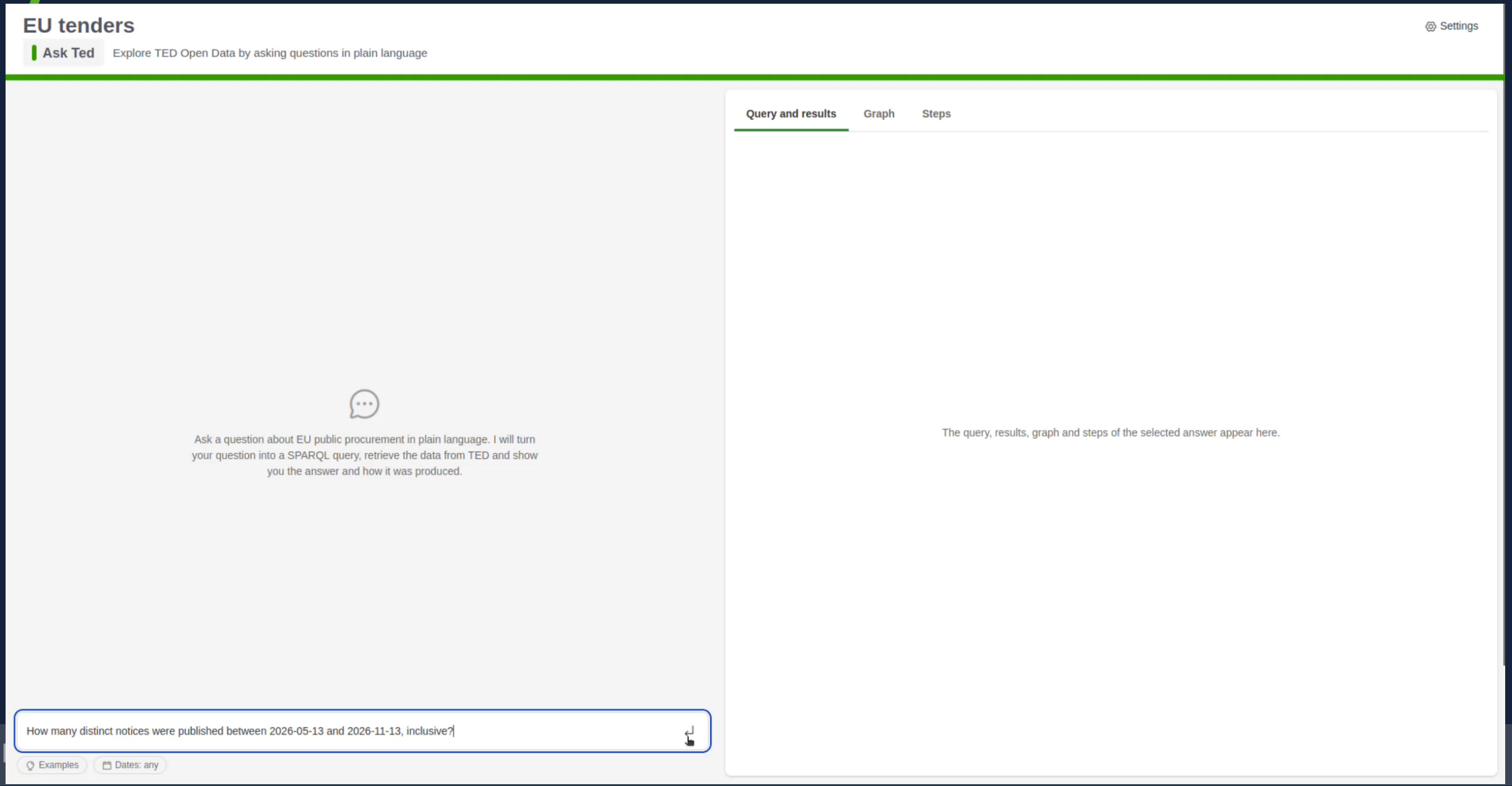
3. Connect
link the seeds together

4. Expand
pull in the neighbourhood

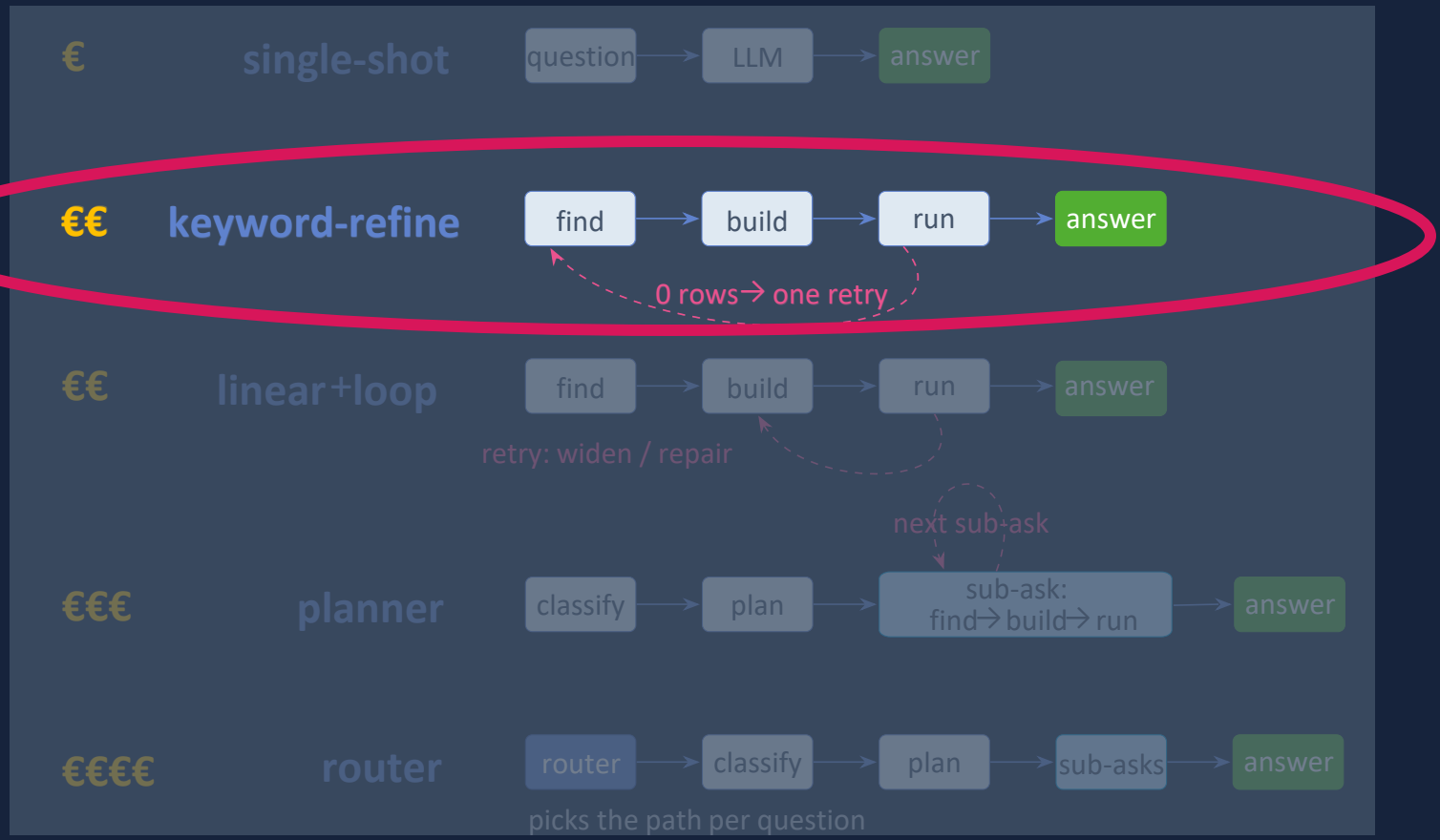
selected not selected added by expansion

The AI then answers over this focused slice

Ask Ted Demo


EU tenders
Settings
Ask Ted
Explore TED Open Data by asking questions in plain language
Query and results
Graph
Steps
Ask a question about EU public procurement in plain language. I will turn your question into a SPARQL query, retrieve the data from TED and show you the answer and how it was produced.
The query, results, graph and steps of the selected answer appear here.
How many distinct notices were published between 2026-05-13 and 2026-11-13, inclusive?
Examples
Dates: any

Control of AI Flows



Ask Ted Model Context Protocol (MCP)

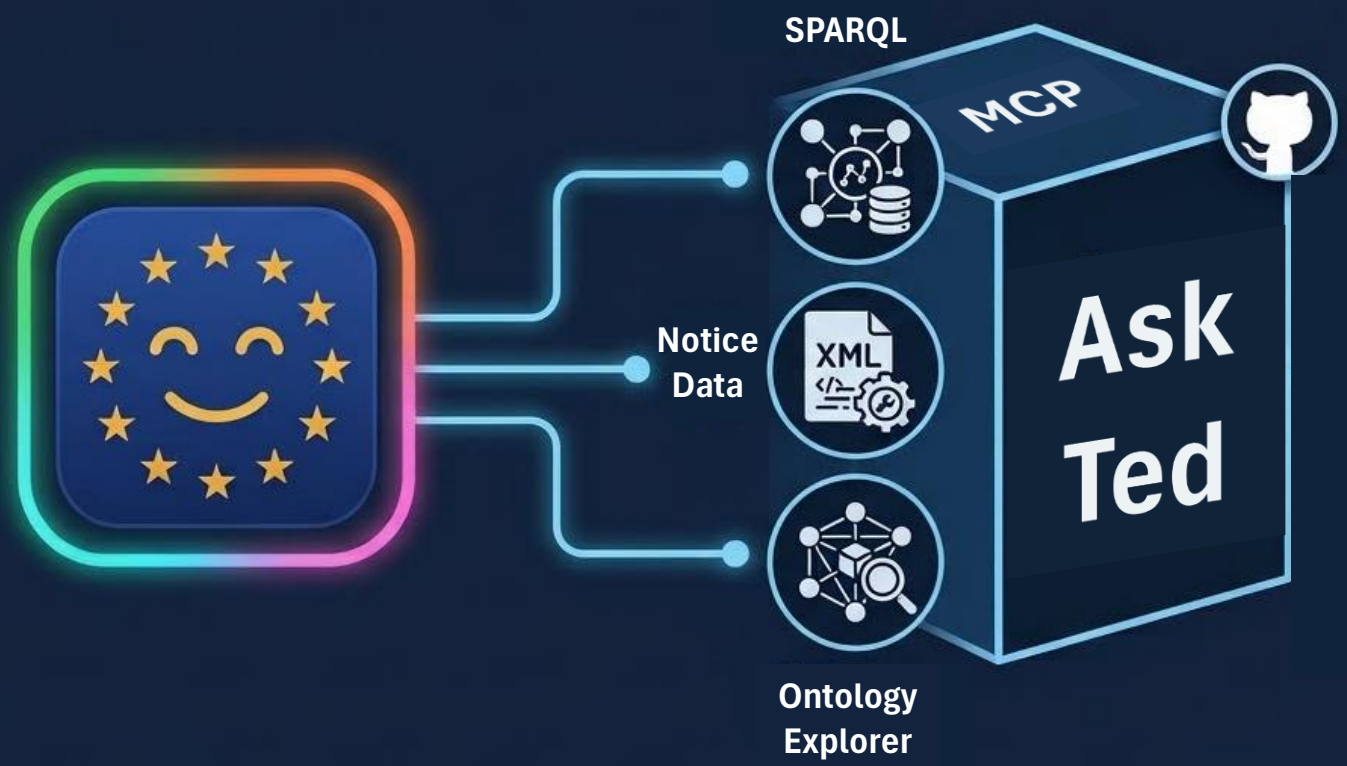


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Ask Ted Model Context Protocol (MCP)

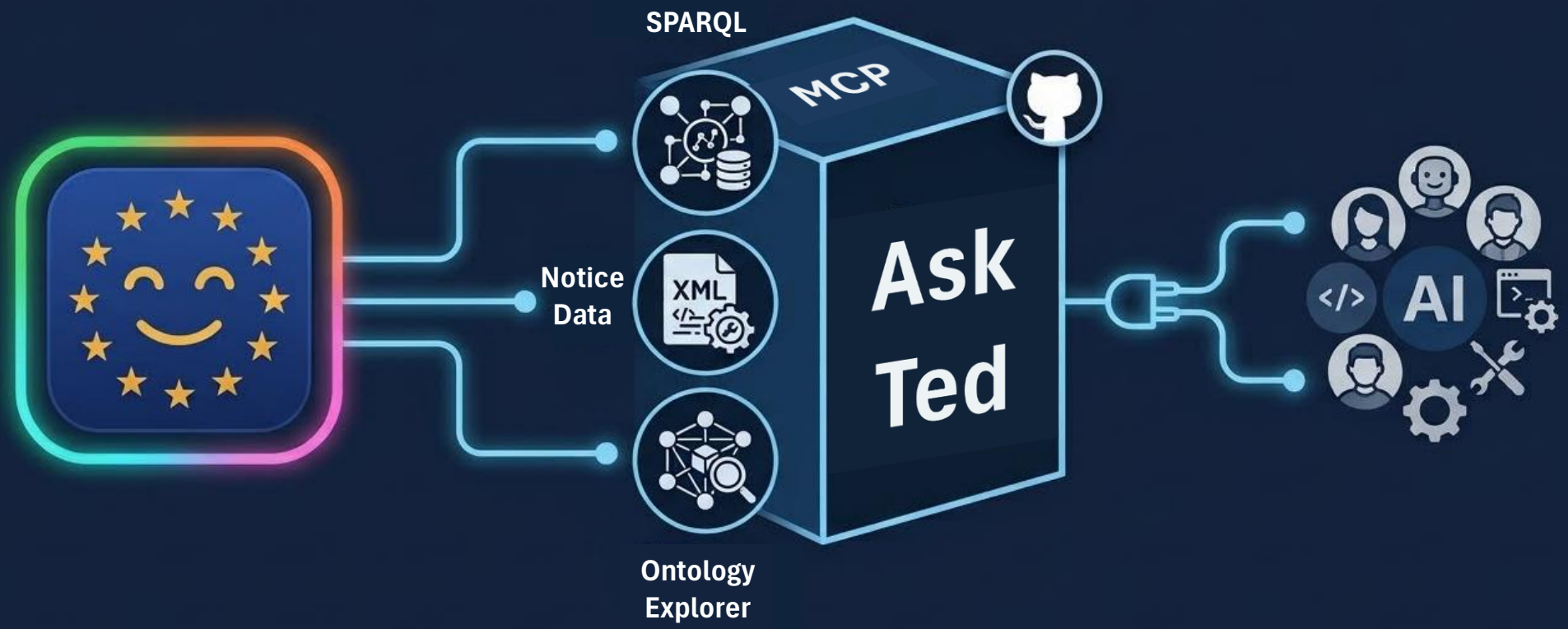


Image Source: AI

Future Architecture - A Dynamic Graph for Answers & Drafting



Image Source: AI

Future Architecture - A Dynamic Graph for Answers & Drafting

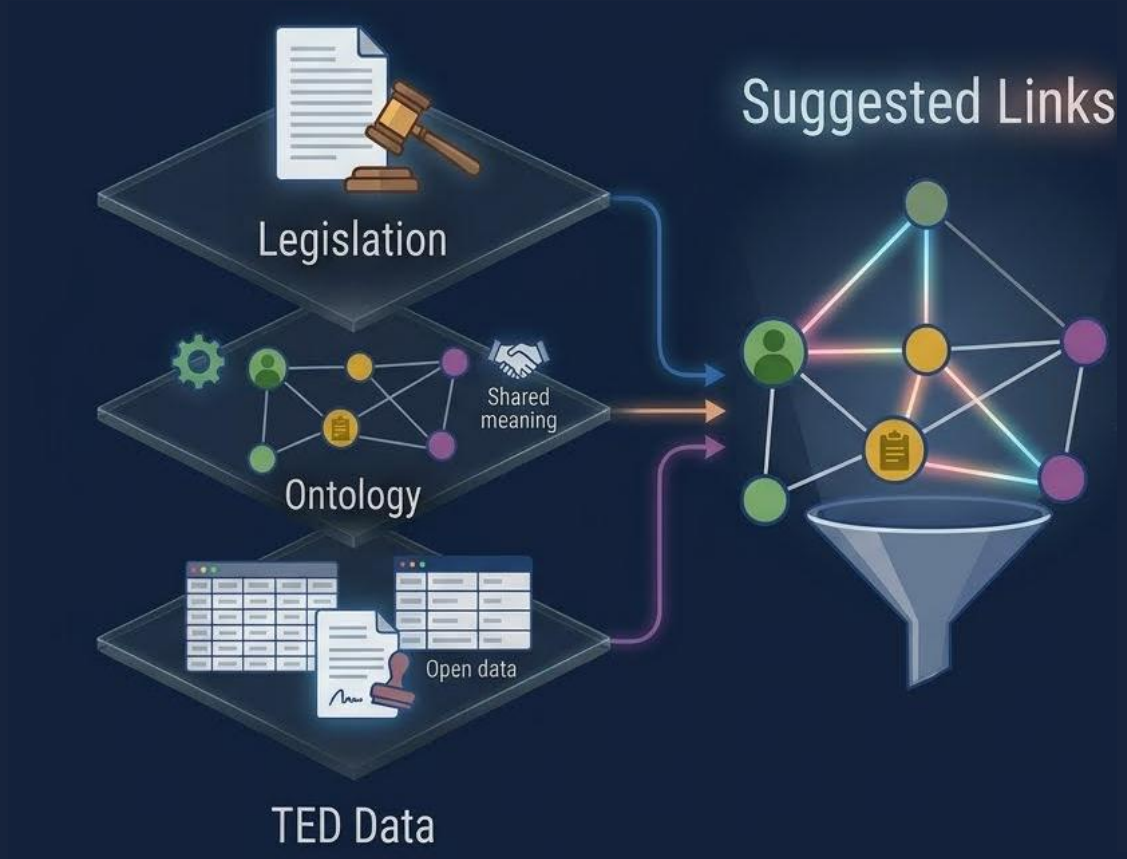


Image Source: AI

Future Architecture - A Dynamic Graph for Answers & Drafting

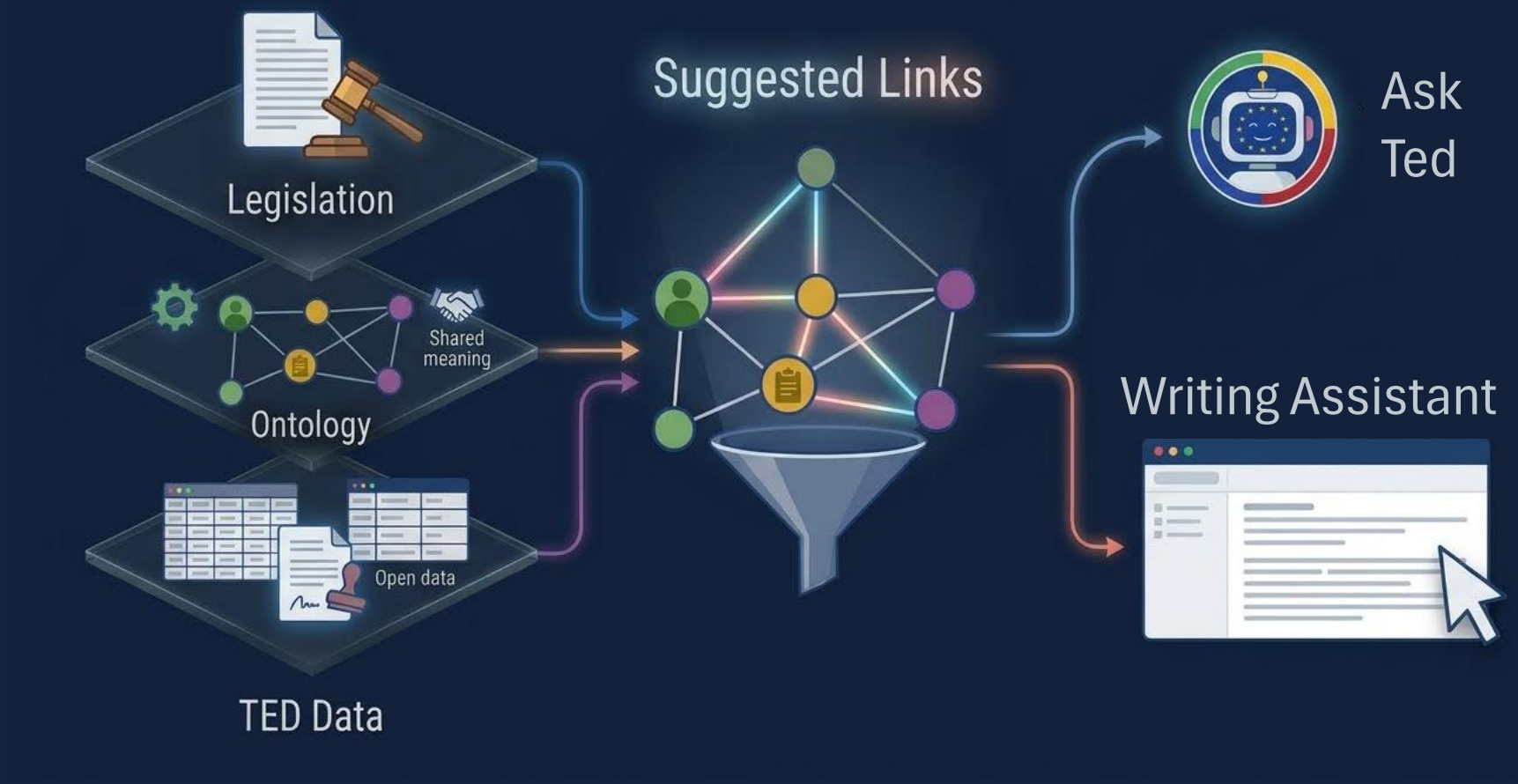
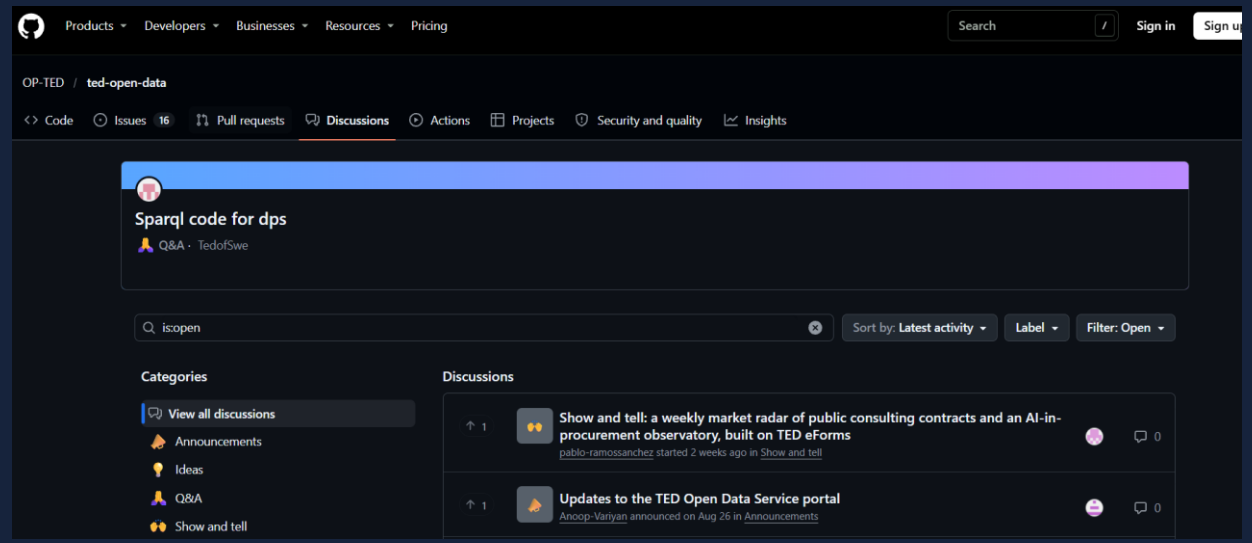


Image Source: AI

Your Questions & Use Cases

Tell us how *you* would use Ask TED

We want real questions and real use cases to steer what we build next.



https://github.com/OP-TED/ted-open-data/discussions/149

Companion TED-together talks

16:00-16:30

News from TED

- usability enhancements

- ideas for AI-powered retrieval of information

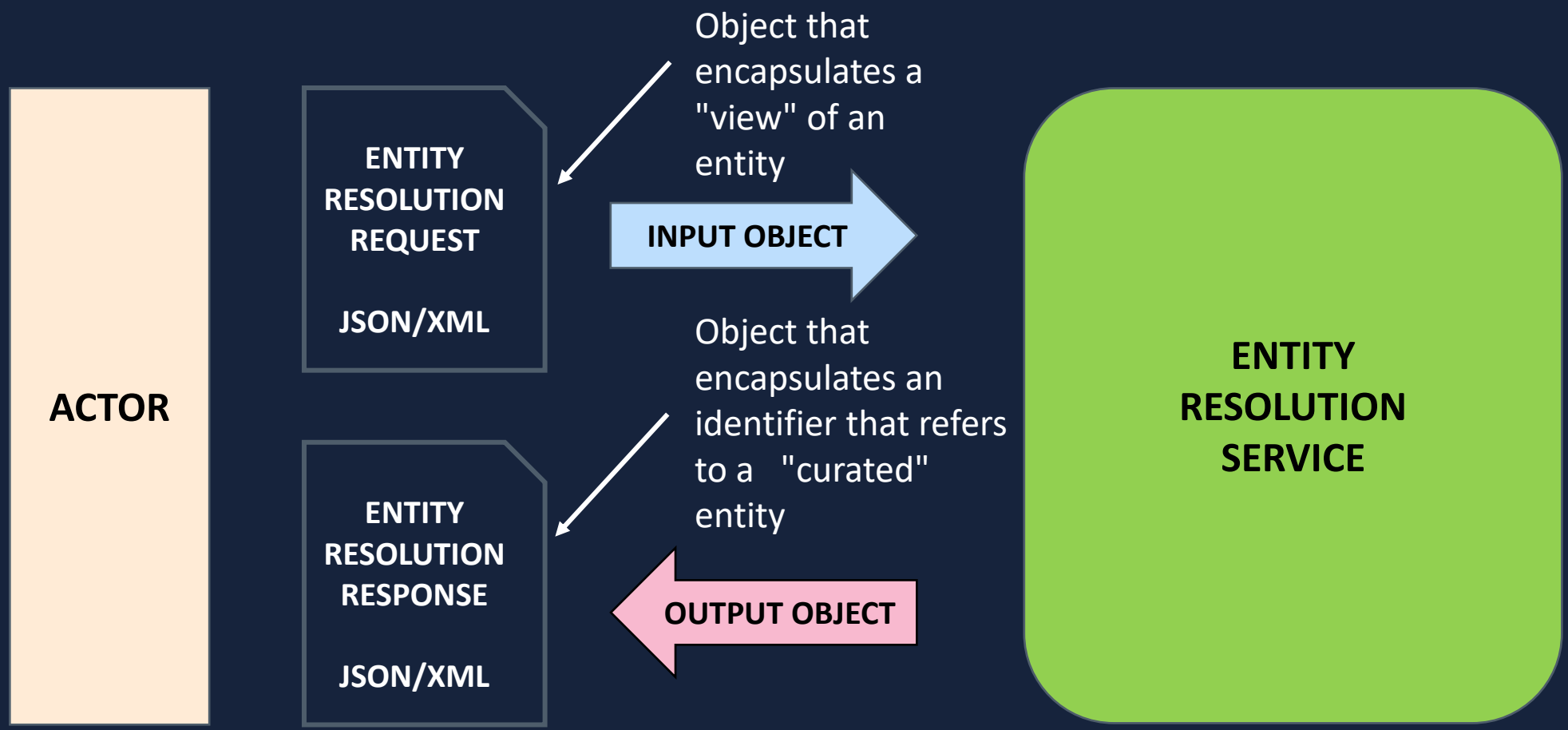
by Carmelo GRECO, Publications Office of the European Union

The Entity Resolution Service (ERS)

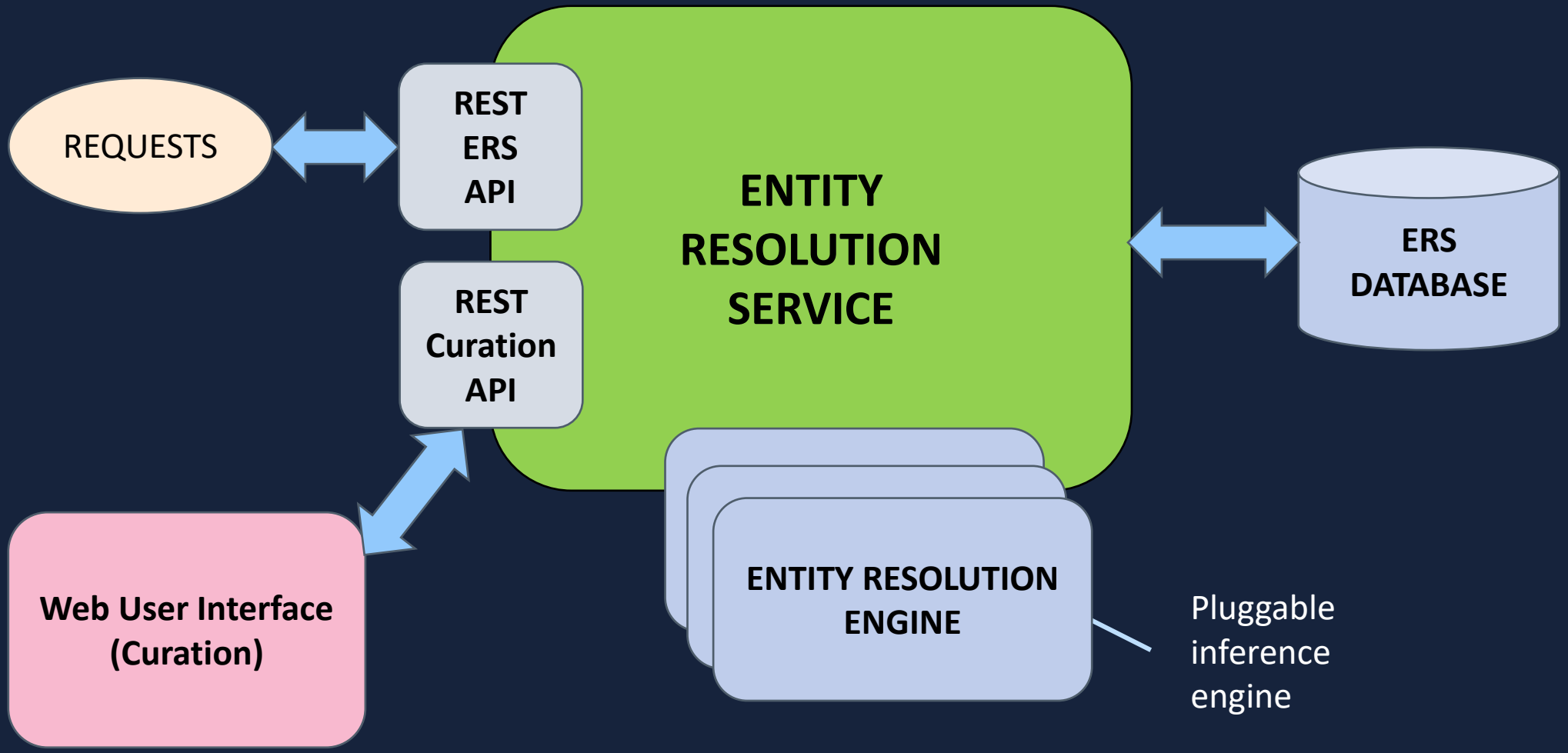
- **Open-Source & Scalable**: Enterprise-ready foundation for entity identification and clustering.
- **AI-Ready Architecture**: Pluggable design seamlessly integrates evolving AI models while maintaining stable data identifiers.
- **Highly Adaptable**: Modular framework easily customizes to resolve similar data challenges across organizations.
- **Core Value**: Drives data consistency, richer analytics, and seamless interoperability.



The Entity Resolution Service – Data exchange

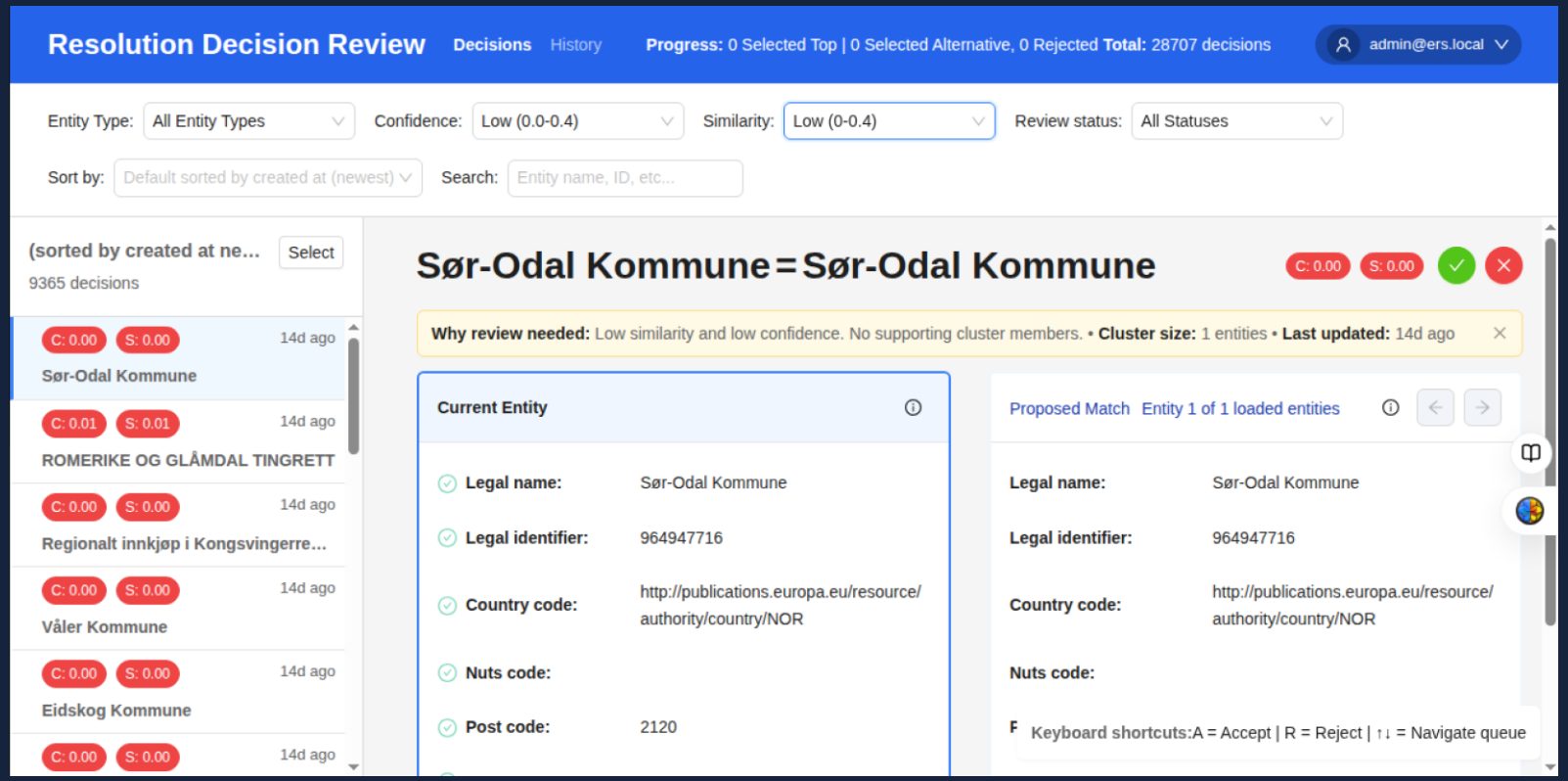


The Entity Resolution Service – High level view



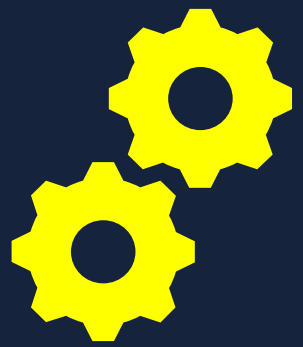
The Entity Resolution Service – The Curation Web User Interface

- Display entity resolution decisions below confidence threshold.
- Allow users to confirm or reject resolution choices.
- Show entity cluster membership and details.
- Provide search and filtering capabilities.
- Record user decisions as training data.



The Entity Resolution Engine – The engine behind the ERS

Distinctive features



Fine grained configuration



Clusters



Human in the loop

The Entity Resolution Engine – The engine behind the ERS

- An ERE may implement a different "clustering algorithm" and use different technical components based on particular requirements.
- We provide a basic ERE that can be used to facilitate initial evaluation.
- We are currently working on a production ready ERE.
- We expect additional ERE implementations developed by the community.
- To facilitate this, there is an open "contract" to clearly define its interface between the ERS and the ERE.

The Entity Resolution Service – Integration with TED Open Data Service

- ERS references are asserted using **`owl:sameAs`** triples during processing.
- Expected deployment order in the TEDSWS Production pipeline:
  - Organizations,
  - Procedures,
  - Lots.

Vision & Roadmap

To empower a broader community to build a truly open, efficient, and innovative public procurement knowledge hub.



Reference implementation of the ERE
Deployment into Production
Active maintenance

Developer community



Register & keep your profile updated: Get your API keys and the latest documentation by keeping your Developer Portal profile current (https://developer.ted.europa.eu).



Participate in Forums: Ask questions, share your knowledge, and help others in their journey (https://github.com/OP-TED/entity-resolution-service/discussions).



Report Bugs: Found a data issue or an endpoint error? Let us know on our boards so we can work on a fix (https://github.com/OP-TED/entity-resolution-service/issues).



Attend Our Events: Join our webinars and workshops to learn advanced techniques and share your eProcurement use cases

THANK YOU

Entity Resolution Service GitHub repository:
https://github.com/OP-TED/entity-resolution-service

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